



SLC TWIN

ON-LINE DOUBLE CONVERSION UPS 700 VA - 20 kVA

► SLC TWIN: Parallel supply for single phase loads

The **SALICRU SLC TWIN** series has been conceived to provide the necessary flexibility to the range of medium power UPS, as it is here where it is necessary to combine leading protection with the capacity to adapt to the different applications.

Therefore the most important services of the **SLC TWIN** series is its capacity to grow in parallel up to 3 units, with or without redundancy, in order to achieve real upgrading and thus avoid having to change the UPS in greater qualitative and quantitative demands from the different consumers.

The range is made up of units with single phase input – from 700 VA to 10 kVA – or three-phase – from 8 to 20 kVA –, always with single phase output.

Moreover, amongst many other advantages, the series includes a rectifier with Soft Start, working at inaudible switching frequency at 20 kHz, power factor > 0.98 ⁽¹⁾ and output precision better than 1%. ⁽¹⁾

► PERFORMANCES

- On-line double conversion technology.
- Parallel operation without any need for centralised bypass. ⁽¹⁾
- Parallel capacity up to 3 units. ⁽¹⁾
- Parallel cable, standard. ⁽¹⁾
- Possible extended autonomies.
- Battery test, standard.
- Rectifier with PFC (power factor corrector) and Soft Start.
- Power factor > 0.98. ⁽¹⁾
- Manual bypass interruption-free. ⁽¹⁾
- Separator transformer. ⁽²⁾
- PWM inverters and IGBT transistors.
- Control panel with block diagram, LCD display and keyboard.
- Communications extended with RS-232 (standard), USB ⁽²⁾, SNMP ⁽²⁾ and AS-400 ⁽²⁾ ports.
- MODBUS communications protocol. ⁽²⁾
- Standard monitoring software.
- Models in 19" rack up to 6 kVA.



► SLC TWIN



► SLC TWIN RACK 19"

► APPLICATIONS: High line power supply for medium powers

Information losses in computer environments are caused in 45% of cases by problems in the electrical supply, without counting the losses in productivity derived from the inactivity and the resources needed to restore the damage caused. All processes that require a reliable, continuous, quality power supply are protected and supplied by a **SALICRU SLC TWIN** series UPS. Especially conceived to protect departmental networks, work stations and their associated peripherals, servers, VOIP telephony, industrial processes, medical equipment, etc.

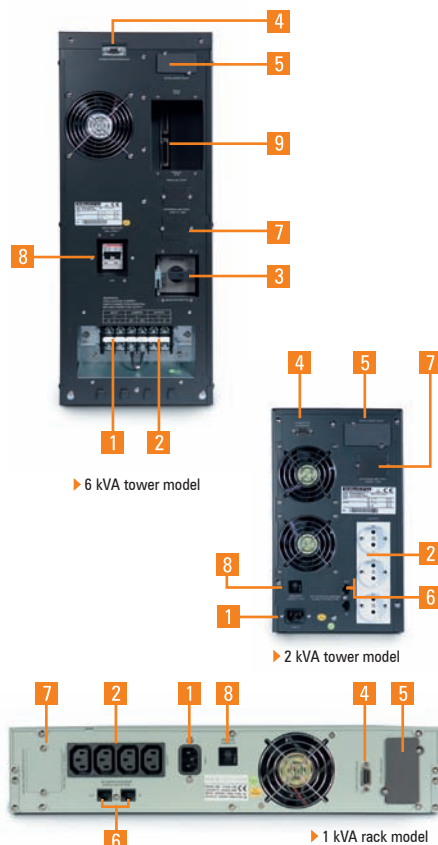
(1) Depending on the model
(2) Optional



SLC TWIN

DESCRIPTION

1. AC input.
2. AC output.
3. Maintenance bypass.
4. RS-232 interface.
5. Intelligent slot (SNMP, USB, AS-400).
6. Data line protection RJ-11/RJ-45.
7. Battery module connection.
8. Input protection.
9. Parallel port.



ADAPTABILITY

- Extended autonomies. ⁽¹⁾
- Galvanic isolation. ⁽¹⁾
- Other input / output voltages. ⁽¹⁾
- Tower or 19" rack format.
- Single or three-phase input.
- Redundant parallel system ≥ 4 kVA.

COMMUNICATIONS

- RS-232 interface.
- Monitoring software.
- SNMP adapter / Web. ⁽¹⁾
- AS-400 card.
- USB port card. ⁽¹⁾
- MODBUS protocol. ⁽¹⁾
- Temperature-humidity sensor. ⁽¹⁾

SERVICES

- Pre-sale and after sale advisory service.
- Multiple formulae for maintenance and telemaintenance (SICRES).

(1) Optional



ON-LINE DOUBLE CONVERSION UPS 700 VA - 20 kVA

TECHNICAL SPECIFICATIONS

MODEL		SLC TWIN 700 VA - 10kVA	SLC TWIN/3 8 kVA - 20kVA
FORMAT		Tower or rack ⁽²⁾	Tower
TECHNOLOGY		On-line, double conversion, PFC, double DC bus	
INPUT	Nominal voltage	220 / 230 / 240 V ⁽³⁾	3 x 380 / 400 / 415 V
	Voltage range	176 ÷ 276 V	3 x 304 ÷ 478 V
	Frequency	50 / 60 Hz	
	Frequency range	± 4 Hz	
	Power factor	≥ 0.98 ⁽²⁾	≥ 0.95
	Rectifier structure	PFC with Soft Start	
OUTPUT	Nominal voltage	220 / 230 / 240 V	
	Voltage accuracy	± 1% steady state; ± 2% transient state	
	Maximum slew rate	1 Hz / s	
	Synchronisation	Mains present ± 4 Hz; free running ± 0.05 Hz ⁽²⁾	
	Efficiency	> 88% at full load	
	Total harmonic distortion (THDv)	≤ 2% (linear load); ≤ 6% with non-linear load (in accordance with EN 62040-3)	
	Permissible overloads	Up to 130% for 10 minutes; > 130% for 1 second	
	Crest factor	3 to 1	
BYPASS	Nominal voltage	220 / 230 / 240 V	
	Permissible voltage range	± 15%	
	Permissible frequency range	50 / 60 Hz ± 4 Hz	
	Overload	Up to 130% permanently; > 130% for 1 second	
BATTERIES	Battery type	Sealed, maintenance free	
	Protection	Against overvoltages, under voltages and alternating current component	
CHARGER	Technology	PWM	
	Charge type	P/U (Constant power - Constant voltage)	
	Recharging time	7 hours up to 90%	8 hours up to 90%
COMMUNICA-TION	Ports	RS-232	
	Monitoring software	For platforms Windows, Linux and Mac	
GENERALS	Operating temperature	0° C ÷ +40° C	
	Relative humidity	Up to 95%, non-condensing	
	Operating altitude	2400 m.a.s.l.	
	Acoustic noise level at 1 metre	< 45 dB ⁽²⁾	< 60 dB
STANDARDS	Safety	EN 62040-1; EN 60950-1; EN 60529	
	Electromagnetic compatibility (EMC)	EN 62040-2	
	Operating	VFI in accordance with EN 62040-3	
	Marking	CE	
	Quality and environmental management	ISO 9001 and ISO 14001 TÜV	

(2) Depending on the model

(3) Voltage availability of 110 / 115 / 120 / 127 V

(4) On line mode

RANGE

TOWER MODEL	POWER (VA / W)	DIMENSIONS (D x W x H mm)	WEIGHT (Kg)	INPUT/OUTPUT
SLC - 700 - TWIN	700 / 490	410 x 145 x 220	13	II / II
SLC - 1000 - TWIN	1000 / 700	410 x 145 x 220	14	II / II
SLC - 1500 - TWIN	1500 / 1050	470 x 195 x 347	30	II / II
SLC - 2000 - TWIN	2000 / 1400	470 x 195 x 347	31	II / II
SLC - 3000 - TWIN	3000 / 2100	470 x 195 x 347	32	II / II
SLC - 4000 - TWIN	4000 / 2800	575 x 260 x 717	84	II / II
SLC - 5000 - TWIN	5000 / 3500	575 x 260 x 717	87	II / II
SLC - 6000 - TWIN	6000 / 4200	575 x 260 x 717	90	II / II
SLC - 8000 - TWIN	8000 / 5600	575 x 260 x 717	92	II 6 III / II
SLC - 10000 - TWIN	10000 / 7000	575 x 260 x 717	93	II 6 III / II
SLC - 12000 - TWIN	12000 / 8400	575 x 260 x 717 (x 2)	48 + 131	III / II
SLC - 15000 - TWIN	15000 / 10500	575 x 260 x 717 (x 2)	49 + 131	III / II
SLC - 20000 - TWIN	20000 / 14000	575 x 260 x 717 (x 2)	50 + 131	III / II

RACK 19" MODEL	POWER (VA / W)	DIMENSIONS (D x W x H mm)	WEIGHT (Kg)	INPUT/OUTPUT
SLC - 700 - TWIN R	700 / 490	450 x 483 x 87 (2U)	16	II / II
SLC - 1000 - TWIN R	1000 / 700	450 x 483 x 87 (2U)	17	II / II
SLC - 1500 - TWIN R	1500 / 1050	450 x 483 x 87 (2U) (x 2)	10 + 28	II / II
SLC - 2000 - TWIN R	2000 / 1400	450 x 483 x 87 (2U) (x 2)	11 + 28	II / II
SLC - 3000 - TWIN R	3000 / 2100	450 x 483 x 87 (2U) (x 2)	12 + 28	II / II
SLC - 4000 - TWIN R	4000 / 2800	600 x 483 x 132 (3U) (x 2)	14 + 64	II / II
SLC - 5000 - TWIN R	5000 / 3500	600 x 483 x 132 (3U) (x 2)	14.5 + 64	II / II
SLC - 6000 - TWIN R	6000 / 4200	600 x 483 x 132 (3U) (x 2)	15 + 64	II / II

Values for standard autonomies.

For other configurations, consult dimensions and weights.

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